



KOSTER 21

White, two component, solvent free, multiple use crack bridging waterproofing, resistant to pressurized water, oil resistant

Features

KOSTER 21 is a two component, solvent-free, liquid applied, elastic, crack bridging waterproofing material with excellent adhesion to dry and moist substrates. It is liquid applied and seamless. Due to its UV stability, it is suitable for indoor and outdoor use. The white color reflects sunlight and reduces building surface temperatures. The fast curing coating is highly flexible and resistant to occasional foot traffic, aging, hydrolysis, ultraviolet light, frost, and salt. KOSTER 21 seals against synthetic oils and aliphatic hydrocarbons with high boiling points. KOSTER 21 is not resistant against substances with high aromatic hydrocarbon contents such as benzene, xylene, toluene, etc. KOSTER 21 does not contain volatile organic compounds, is free of polyurethanes, isocyanates, and bitumen.

Technical Data

Mixing ratio, by weight (A:B)	2:3
Application temperature	40 - 90 °F
Substrate temperature	Min. 40 °F
Pot life, 70 °F	Approx 45 min
Thickness per layer	20-80 mils (0.02 to 0.08 inch)
Crack bridging (with KOSTER Flex Fabric)	15 mils (0.015-in.)

Final mechanical strength and chemical resistance is reached after 7 days (at 73 °F and 65% RH).

Fields of Application

KOSTER 21 is a waterproofing material for positive side waterproofing of basements, concrete slabs, tanks, flat roofs, beneath tile, terraces or balconies, and similar applications. KOSTER 21 is also suitable as a protective coating against mineral oils and aliphatic hydrocarbons. KOSTER 21 is suitable for protection of surfaces in facilities with chemical and mechanical demands on the coatings, such as containment and skimming tanks.

Substrate

The substrate must be free of standing water, loose particles or other bond inhibiting substances. Soiled substrates must be cleaned down to a solid layer. On interior corners, install a fillet of KOSTER Repair Mortar Plus approx. 24 hours before application of KOSTER 21. Exterior corners must be broken and rounded.

Application

Slowly add the powder component into the liquid component while mixing with a slowly rotating electrical mixer (below 400 rpm) so that a lump free, homogenous consistency is achieved. Add up to 8% water by weight to the material to achieve a brushable and sprayable consistency. Use only clean and potable water. Mix for 3 minutes. KOSTER 21 is applied in two coats with a brush, roller, or trowel. The

material can also be spray applied using the KOSTER Peristaltic Pump. The minimum coverage is at least 0.16 lb/sq ft per layer. The waiting time before application of the second coat is at least 3 hours in areas without foot traffic (e.g. vertical areas), and 24 hours for areas subject to foot traffic. On areas which are likely to crack, or at wall floor junctions, embed KOSTER Flex Fabric into the fresh first layer. The fresh coating is water soluble and must be protected from rain until it has fully dried.

Coverage

Approx. 0.4 - 0.6 lb/sq ft

Cleaning

Clean tools immediately after use with water.

Packaging

W 210 020	44 lb Combipackage; 2 x 8.8 lb A component, 2 x 13.2 lb B component
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Storage

Store between 40 °F and 80 °F. In original sealed packaging, the material can be stored for 12 months.

Safety

Consult Safety Data Sheet. Always wear proper personal protective equipment when handling this product.

Limited Warranty

KOSTER warrants that its product shall be in accordance with the specifications published in the current revision of the products data sheet. KOSTER covenants that in the event any of its products fail to meet their published specifications, KOSTER shall replace those products proved to be defective. KOSTER shall not be responsible for any incidental or consequential damages due to the breach of its warranties. Notwithstanding the foregoing, KOSTER's sole liability hereunder shall not exceed the cost of the defective product originally purchased. EXCEPT AS SET FORTH ABOVE, KOSTER MAKES NO OTHER WARRANTIES EXPRESS OR IMPLIED AND MAKES NO WARRANTY AS TO THE MERCHANTABILITY OR FITNESS OF THE PRODUCT FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. The user must determine if the product is suited for the intended use and the user must bear the risks and liabilities associated with it.

Related products

KOSTER Glass Fiber Mesh	Art.-Nr. W 411
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The information contained in this technical data sheet is based on the results of our research and on our practical experience in the field. All given test data are average values which have been obtained under defined conditions. The installer is responsible for the correct application taking into consideration the specific conditions of the construction site and the final results of the construction process. This may require adjustments to the recommendations given here for standard cases. Specifications made by our employees or representatives which deviate from the specifications contained in any Company literature may not be relied upon in the absence of written confirmation from the Company. The installer must comply with all testing, technical requirement, guidelines, and industry customs at all times. The terms, conditions, and limitations contained in the written warranty for the product controls over the specifications contained herein. This guideline has been technically revised; all previous versions are invalid.

KOSTER Flex Fabric
KOSTER Brush for liquids
KOSTER Peristaltic Pump

Art.-Nr. W 450 100
Art.-Nr. W 912 001
Art.-Nr. W 978 001

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